

CLAIMS

WHAT IS CLAIMED IS:

1. A support (10) for linear motion that can be especially combined with cutting groups (12) of machine tools for the continuous cutting of laminar materials such as films, paper, plastic, fabric films, and the like, the support (10) being connected to a beam or sliding guide (18) of the machine tools, the support (10) comprising:
 - a shaped metal block having:
 - a first seat (20); and
 - a second seat (26);
 - wherein the first seat (20) includes:
 - a brake (22) positioned in the first seat (20); and
 - wherein the second seat (26) includes:
 - a sliding device (30) housed in the second seat (26), with the sliding device (30) including at least a ball monorail guidance system connected to a shaped sliding track (30') fastened to the beam (18).
2. The support according to claim 1, wherein the shaped track (30') substantially extends along the whole length of the beam (18), and the shaped track (30') is fastened to the beam (18) by screws or equivalent fastening means.

3. The support according to claim 1, wherein the second seat (26) is formed substantially adjacent to the first seat (20); and

wherein the brake (22) is placed in the second seat (26) for cooperating with the cutting groups (12), with the brake (22) being pneumatically operated.

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4. The support according to claim 2, wherein the second seat (26) is formed substantially adjacent to the first seat (20); and

wherein the brake (22) is placed in the second seat (26) for cooperating with the cutting groups (12), with the brake (22) being pneumatically operated.

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5. The support according to claim 1, wherein the second seat (26) is formed substantially adjacent to the first seat (20); and

wherein the brake (22) is placed in the second seat (26) for cooperating with the cutting groups (12), with the brake (22) being hydraulically operated.

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6. The support according to claim 2, wherein the second seat (26) is formed substantially adjacent to the first seat (20); and

wherein the brake (22) is placed in the second seat (26) for cooperating with the cutting groups (12), with the brake (22) being hydraulically operated.

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7. The support according to claim 1, wherein the sliding device (30) is fastened to the support by screws (32) or similar fastening means.

8. The support according to claim 2, wherein the sliding device (30) is fastened to the support by screws (32) or similar fastening means.

9. The support according to claim 3, wherein the sliding device (30) is fastened to the support by screws (32) or similar fastening means.

10. The support according to claim 4, wherein the sliding device (30) is fastened to the support by screws (32) or similar fastening means.

11. The support according to claim 5, wherein the sliding device (30) is fastened to the support by screws (32) or similar fastening means.

12. The support according to claim 6, wherein the sliding device (30) is fastened to the support by screws (32) or similar fastening means.

13. A support for linear motion for use with a cutting machine tool for the continuous cutting of laminar materials such as films, paper, plastic, fabric films, and the like, the support being connected to a beam or sliding guide of the machine tool, the support comprising:

a shaped metal block having:
a first seat; and
a second seat;
a brake positioned in the first seat; and

a sliding device housed in the second seat, with the sliding device connected to a sliding track fastened to the beam.

14. The support according to claim 13, wherein the sliding track substantially
5 extends along the whole length of the beam, and the sliding track is fastened to the beam by fastening means.

15. The support according to claim 13, wherein the second seat is formed substantially adjacent to the first seat; and
10 wherein the brake is placed in the second seat for cooperating with the cutting machine tool, with the brake being pneumatically operated.

16. The support according to claim 14, wherein the second seat is formed substantially adjacent to the first seat; and
15 wherein the brake is placed in the second seat for cooperating with the cutting machine tool, with the brake being pneumatically operated.

17. The support according to claim 13, wherein the second seat is formed substantially adjacent to the first seat; and
20 wherein the brake is placed in the second seat for cooperating with the cutting machine tool, with the brake being hydraulically operated.

18. The support according to claim 14, wherein the second seat is formed substantially adjacent to the first seat; and

wherein the brake is placed in the second seat for cooperating with the cutting machine tool, with the brake being hydraulically operated.

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19. The support according to claim 13, wherein the sliding device is fastened to the metal block by fastening means.

20. A support for linear motion for use with a cutting machine tool for the continuous cutting of laminar materials such as films, paper, plastic, fabric films, and the like, the support being connected to a beam or sliding guide of the machine tool, the support comprising:

a shaped block having:

a first seat; and

15 a second seat;

a brake positioned in the first seat; and

a sliding device housed in the second seat, with the sliding device connected to a sliding track fastened to the beam and fastened to the shaped block by fastening means.